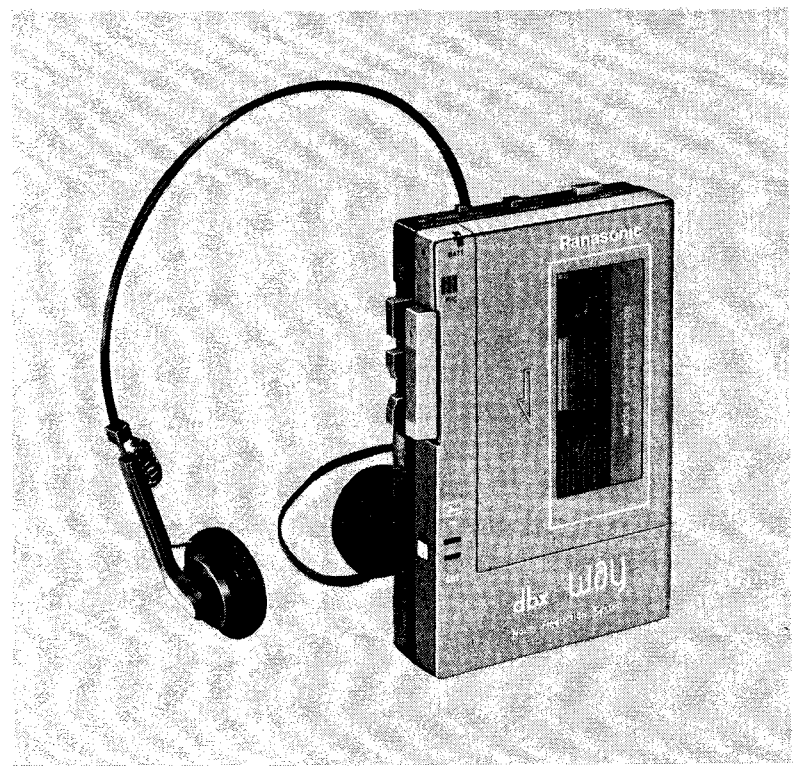
Operating Instructions

Mini Stereo Cassette Player

MODEL NO. **RQ-J20X**



Panasonic®

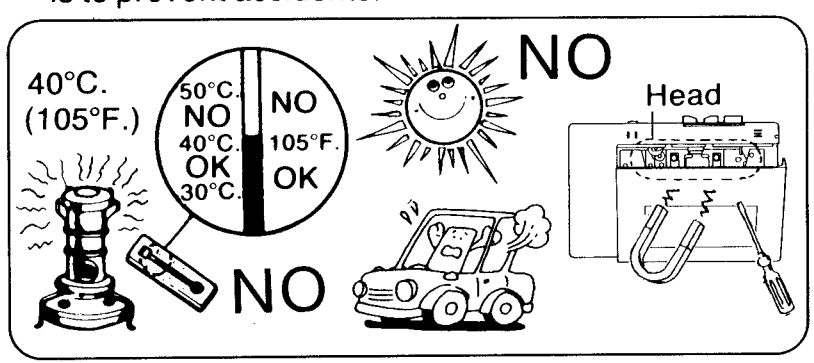
Before operating this set, please read these instructions completely.

WARNING:

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

PRECAUTIONS

1. Avoid using or placing this unit near sources of high temperature. Be especially careful not to allow this unit to remain in an automobile which is in the direct sunlight for a long time with the doors and window closed, because this may cause deformation of the cabinet.
2. Cassettes, both recorded and unrecorded, should be stored in a place away from high temperature, high humidity and direct sunlight. Never place tape nearly a magnet or a TV set, because this will affect tape performance.
3. Always be sure to completely stop all operation before removing or inserting a cassette into the unit.
4. Do not use the headphones while traveling in an automobile or riding on a motorcycle or bicycle. This is to prevent accidents.



The serial number of this product may be found on the back cover of the unit.
You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

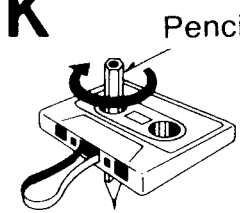
Model no. _____

Serial no. _____

SELECTION OF CASSETTE TAPES

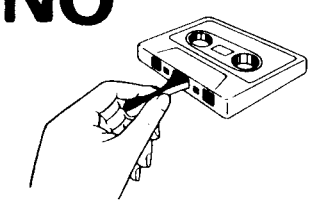
Use only good quality tapes up to the length of C-90. Do not use C-120 or C-180 tapes with this unit because these tapes can easily become broken or stretched if not used with extreme care and may get tangled with the Capstan and Pinch Roller.

OK



If the tape loosens, take up the slack by turning the reel in the proper direction.

NO

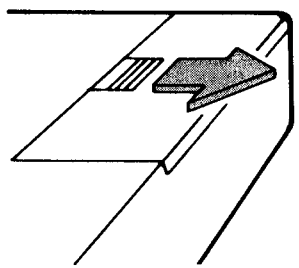


Do not handle, or pull the tape out of the cassette.

THE POWER SOURCE

■ Batteries

❶



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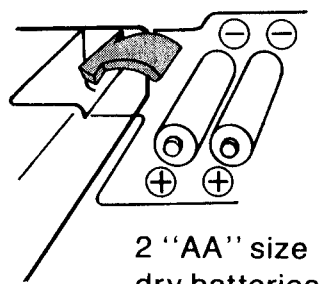
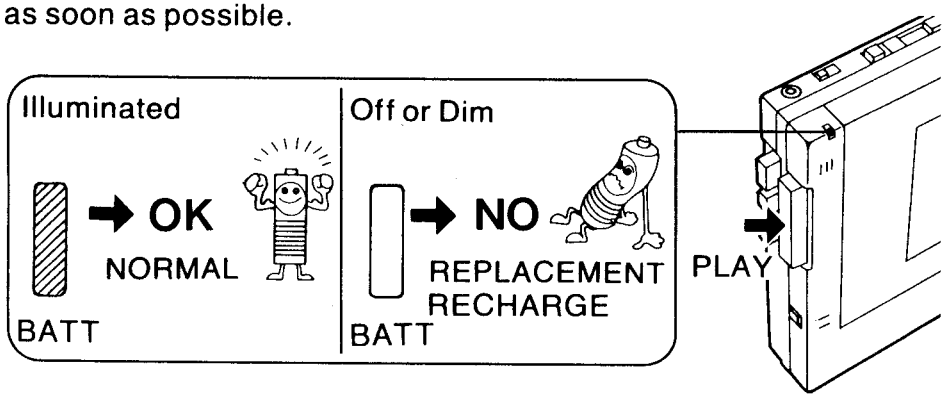


2 "AA" size dry batteries

●Battery life

The condition of the batteries is shown by the Battery Indicator. It illuminates to indicate sufficient battery strength during playback, rewind, or fast forward.

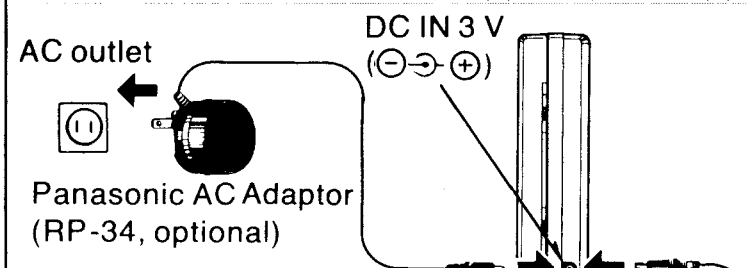
When the batteries (or Rechargeable Battery Pack) weaken, the indicator will become dim or turn off altogether. Also, the tape speed will slow down and the sound will become low and distorted. Replace the batteries (or recharge the Rechargeable Battery Pack) as soon as possible.



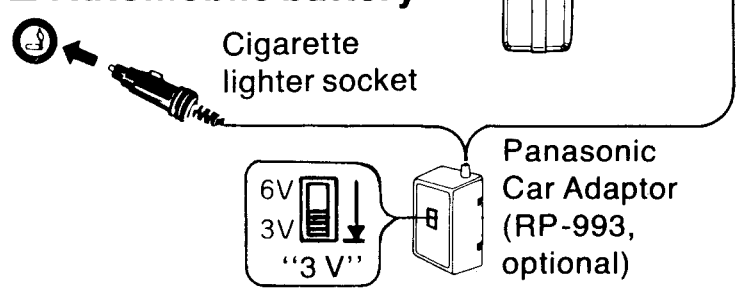
■ AC household current

Notes:

- When batteries are used, disconnect both ends of the Panasonic AC Adaptor.
- Use only Panasonic AC Adaptor RP-34 (optional) for 120 V, 60 Hz.
- When the Panasonic AC Adaptor is used, the batteries are disconnected automatically.



■ Automobile battery



Note:

When using a Panasonic Car Adaptor, be sure to first remove the Rechargeable Battery Pack.

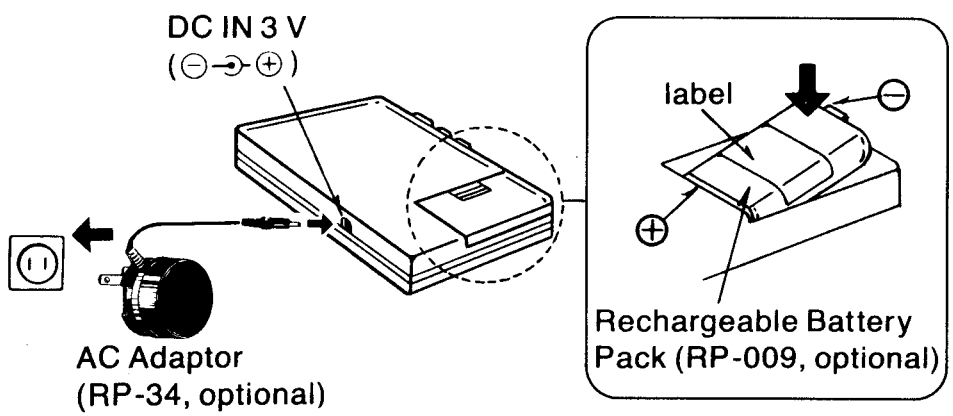
■ Rechargeable Battery Pack

1. Insert the Rechargeable Battery Pack (RP-009, optional) into the unit.
2. Insert the plug of the AC Adaptor RP-34 (optional) into the Adaptor Jack (DC IN 3 V).
   Connect the plug of the adaptor into your home electrical outlet.

The Rechargeable Battery Pack will be completely charged in approximately 5 hours. Charging is possible during playback but the charging will require longer time.

Notes:

- Use only the specified Rechargeable Battery Pack. No other kind can be used.
- Note that the Rechargeable Battery Pack must be removed from the unit if a Panasonic Car Adaptor is connected to the unit.
- Although there are rechargeable batteries available for sale which are the same shape as ordinary "AA" size batteries, these cannot be recharged in this unit, they can be used, if charged with an external charger.



CASSETTE INSERTION

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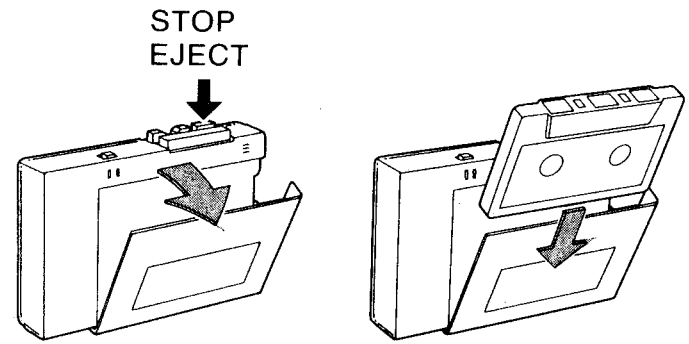

CASSETTE REMOVAL

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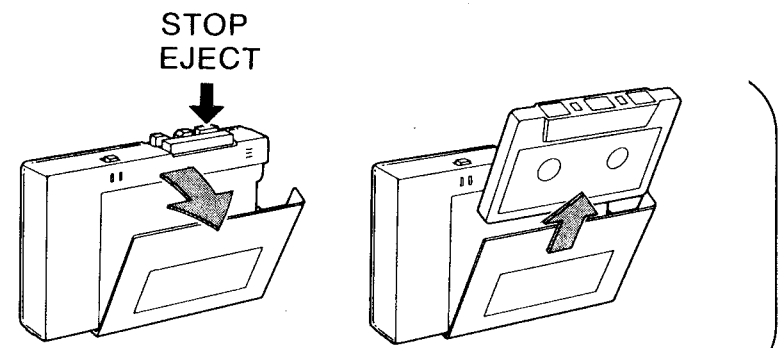
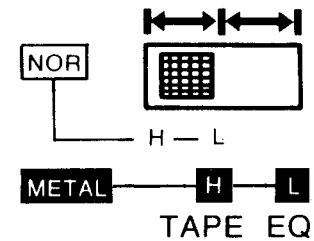


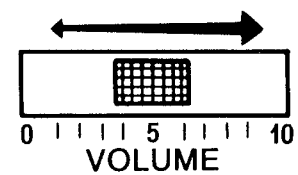
■ dbx Noise Reduction System

- When tapes are played back, the hiss which is inherent to the tapes is rather irritating but this noise can be greatly reduced by playing back the tape through the dbx Noise Reduction System, if the tape has originally been recorded using the dbx System.
- The noise reduction effect yielded by the dbx System is more than 20 dB across the entire frequency spectrum.
- Set the dbx Noise Reduction Switch to the "dbx IN" when playing back prerecorded music tapes or tapes which have been recorded using the dbx System.
- Set the dbx Noise Reduction Switch to the "dbx OUT" when playing back tapes which are recorded not using the noise reduction system.

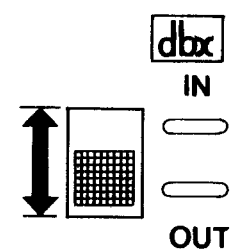
PREPARING FOR PLAYBACK



Refer to "TAPE EQ SELECTOR" on page 7.

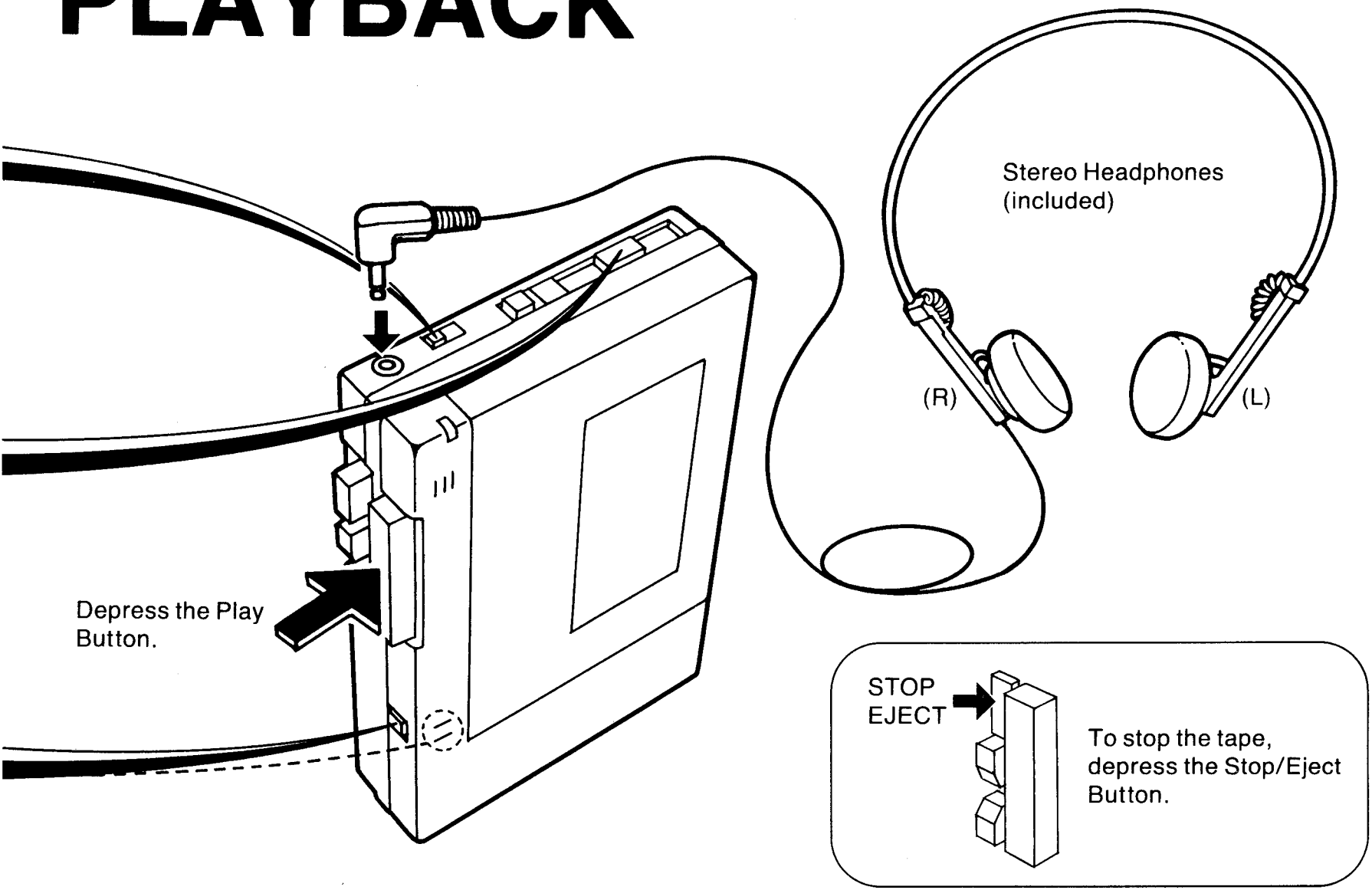


Adjust the volume using the Volume Control.



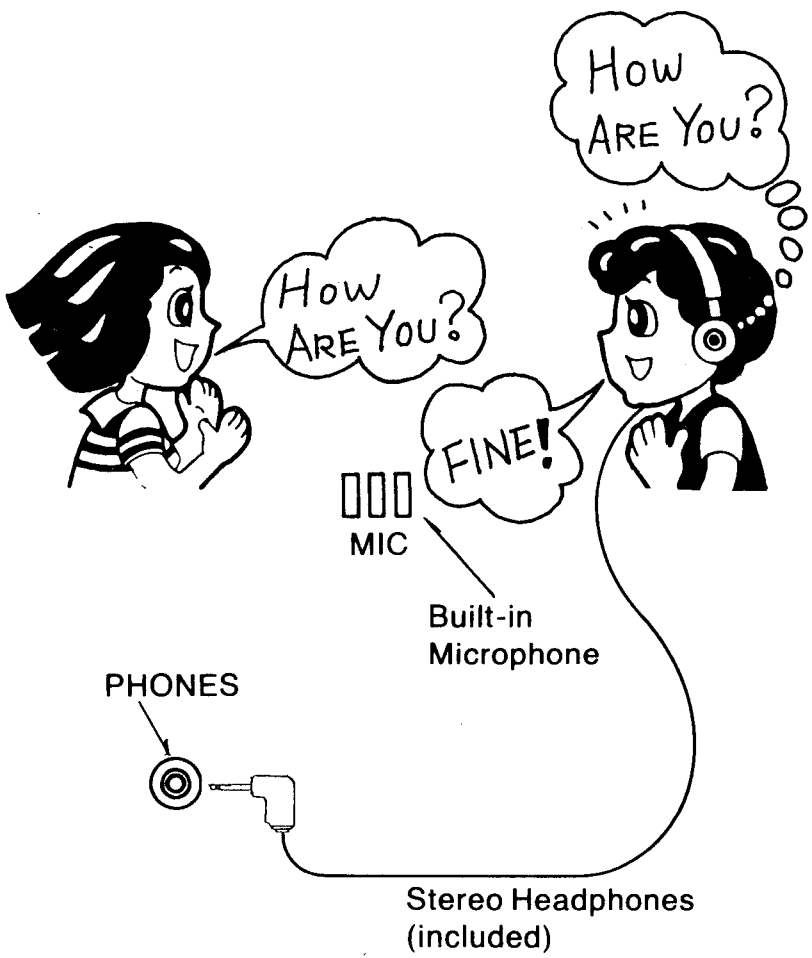
Refer to "dbx Noise Reduction System."

PLAYBACK


Stereo Headphones
(included)
(R)
(L)
Depress the Play
Button.
STOP
EJECT
To stop the tape,
depress the Stop/Eject
Button.

TIPS ON USE

When the Pause Control is set to the "MIC ON/LOCK" position during tape playback, the playback sound is no longer heard and instead you can use the built-in microphone to converse with other people around you.
(Refer to "Pause" on page 8.)



■ Tape EQ Selector

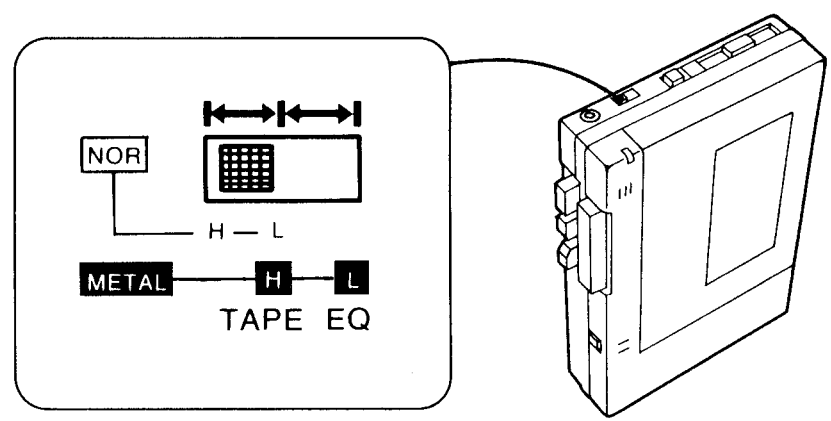
The 3 position Tape EQ Selector allows you to play back Normal or Metal/CrO_2 tapes with either a high or low tone.

① In the "NOR" "H" position you can play back Normal tape with a high tone.

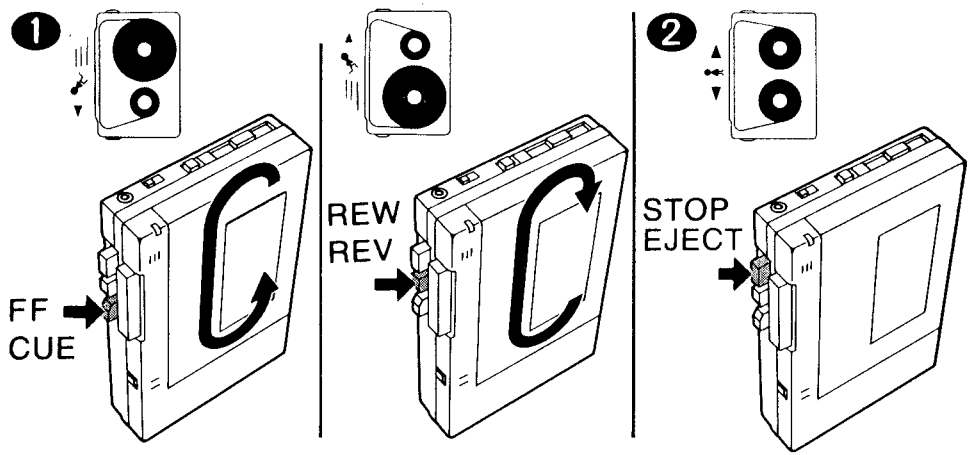
② In the "NOR" "L"/"METAL" "H" position you can play back Metal/CrO_2 tape and get a high tone or play back Normal tape and get a low tone.

③ In the "METAL" "L" position you can play back Metal/CrO_2 tape and get a low tone.

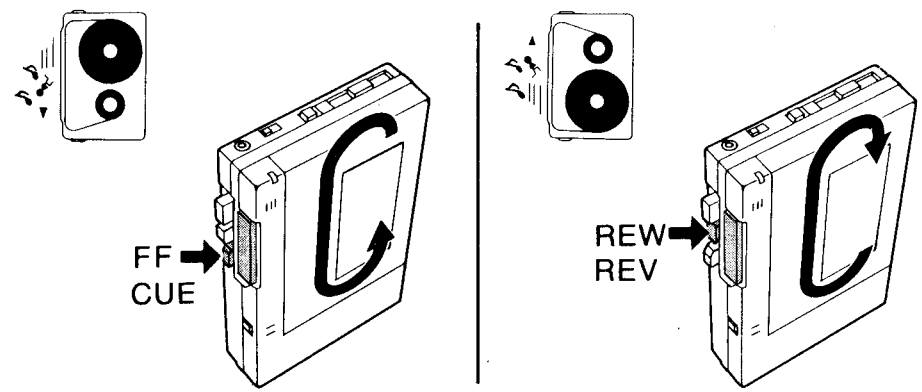
④ When, tape whose high-range portion is emphasized or tape that is recorded with a Dolby NR System, is played back, set the Tape EQ Selector to "L" position at each respective tape position.



■ Fast forward and Rewind



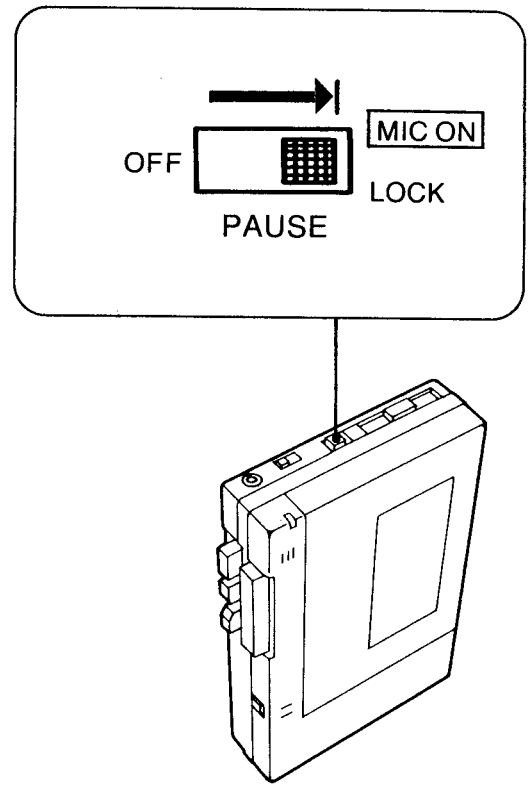
■ "Cue" and "Review"



If, during tape playback, the Fast Forward/Cue Button (or the Rewind/Review Button) is depressed, the tape will be moved rapidly forward (or backward) and the tape sound may be heard (although garbled) through the Headphones.

■ Pause

Pause Control is used to stop the tape temporarily during tape playback.



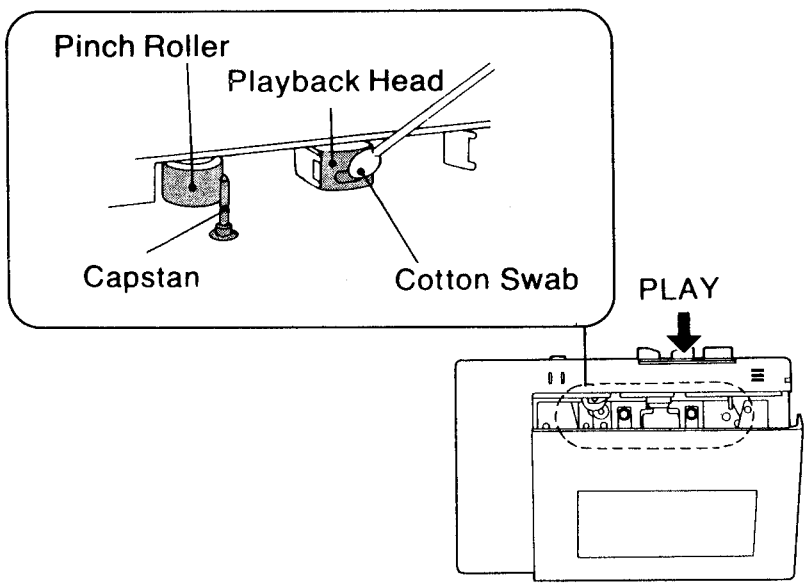
■ Automaitc Stop

When the tape comes to its end during playback, the tape stops moving automatically, the Play Button returns to its original position, and the power source is turned off.

MAINTENANCE

■ Head cleaning

Depress the Play Button, and this will allow the Head to move outward for easier cleaning. When you finish cleaning your unit be sure to depress the Stop/Eject Button.

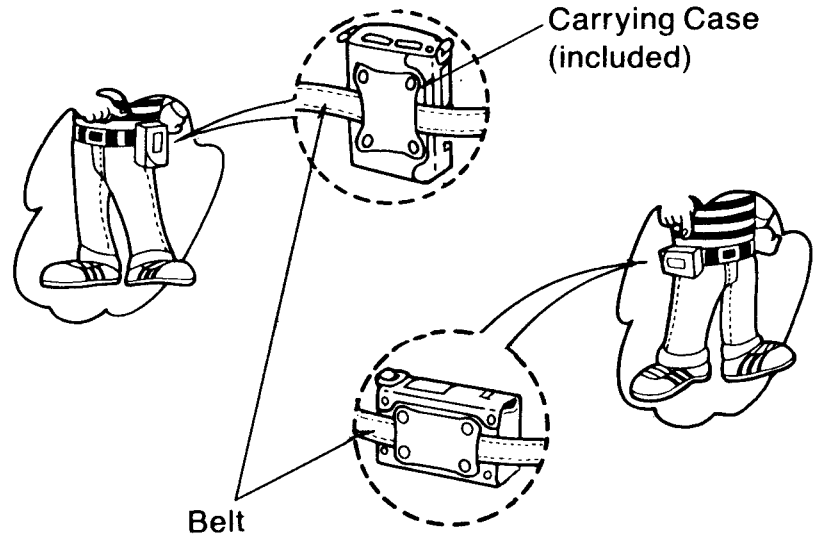


Notes:

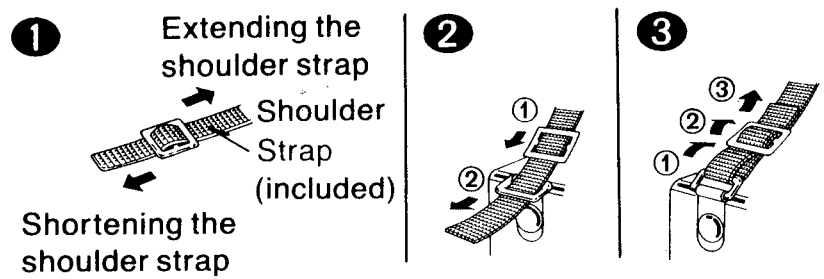
- If the Head, Capstan or Pinch Roller are extremely dirty, clean them with a Cotton Swab dampened with a little tape head cleaner.
- Don't bring metal or magnetic material, such as a screwdriver, near the Head.
- Don't clean the plastic cabinet with benzine or thinner. Clean it with a cloth dampened with a mild soap and water solution.

USING THE CARRYING CASE

■ Using your belt



■ Using the shoulder strap



SPECIFICATIONS

Power Requirements:	AC; 120 V, 60 Hz (with optional AC Adaptor RP-34) Battery; 3 V (two "AA" size dry batteries) Car Battery; with optional Panasonic Car Adaptor RP-993 Rechargeable Battery; with optional rechargeable battery pack RP-009
Track System:	4-track 2-channel stereo playback with included stereo headphones
Tape Speed:	4.8 cm/s (1-7/8 ips)
Dynamic Range:	more than 97 dB (at 1 kHz), with dbx in
Signal-to-Noise Ratio:	dbx in; 81 dB dbx out; 56 dB (A weighted, 3% THD at 1 kHz)
Fast Forward and Rewind Time:	Approx. 120 seconds with C-60 cassette tape
Input:	DC in; 3 V
Output:	Headphones; output level 630 mV (16Ω)/CH
Head:	1 LH head for stereo playback
Dimensions: (W×H×D)	88 mm×138 mm×27.1 mm (3-1/2"×5-7/16"×1-1/16")
Weight:	340 g, (12 oz), without batteries

Specifications are subject to change without notice.

PRODUCT SERVICE

Should your Panasonic product ever require service, refer to the Directory of Authorized Servicenters, or to your Panasonic dealer, for assistance.

ACCESSORIES

Carrying Case 1
Shoulder Strap 1
Stereo Headphones 1
Demonstration Tape 1

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